2006-07 Idaho 4th Grade Direct Mathematics Assessment

STUDENTS DO NOT WRITE IN THIS AREA

ROUND 1
T: ____ R: ____

ROUND 2
T: ____ R: ____

FINAL

Your teacher will read the entire test to you before you begin.
Do not use a calculator on this assessment.
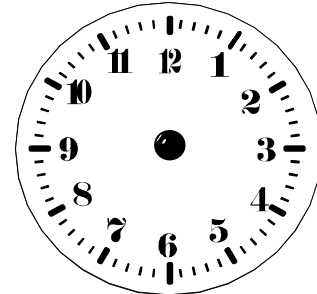
1. Bill's grandma gave him a collection of comic books. Bill counted 513 <u>Ratman</u> comics, 970 <u>Superdog</u> comics, 58 <u>T-Man</u> comics, and 1,042 <u>Bugboy</u> comics.

a. How many more <u>Superdog</u> comics does Bill have than <u>Ratman</u> comics? *Show or explain how you found your answer.*

b. How many comic books did Bill's grandma give him altogether? *Show or explain how you found your answer.*

c. Bill collects 28 new comic books each year. How many new comic books will he have in three years? *Show or explain how you found your answer.*

d. Bill reads five comic books each week. How many weeks will it take Bill to read 30 comic books? *Show or explain how you found your answer.*

**Read problems 2, 3, 4, and 5 on this and the next two pages.
Select three problems to answer. Answer ALL of the parts of the three problems you select to answer.
Cross out the one problem that you do not choose to answer.**

2. Mrs. Green's fourth grade class went on a field trip to Boise.

Field Trip Schedule

ACTIVITY	START TIME	FINISH TIME
Bus trip to Boise	7:00 AM	9:30 AM
Historical Museum	9:30 AM	10:30 AM
Old Penitentiary	10:45 AM	12:00 PM
Lunch in the park	12:10 PM	12:45 PM
Tour of the Capitol	1:00 PM	2:00 PM
Science Center	2:10 PM	3:20 PM
Bus trip back to school	3:30 PM	6:00 PM

a. Kim needs to be at school by 7:00 AM for the bus trip to Boise. It takes her 25 minutes to walk to school. What time should Kim leave home? *Show or explain how you found your answer.*

b. How long did the class stay at the Old Penitentiary? *Show or explain how you found your answer.*

c. How long were the students away from the school altogether? *Show or explain how you found your answer.*

3.   The students in Mr. Burns' class voted for their favorite types of vegetables. The student votes
         are listed below.

celery	green beans	carrots	green beans
carrots	corn	carrots	corn
green beans	celery	green beans	broccoli
green beans	green beans	celery	green beans
corn	carrots	corn	celery
celery	corn	corn	broccoli
green beans	broccoli	green beans	corn
corn	green beans	broccoli	carrots

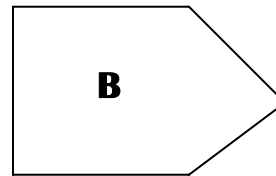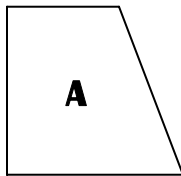a. How many students chose **each** type of vegetable? *Show or explain how you found your
    totals.*

b. Complete the graph below using the class information.

c. Write two things you learned about the vegetable choices by looking at the graph.

4.   a. Draw a shape with four equal sides of about 1 inch and label the sides.

   b. What is the **perimeter** of your shape?   *Show or explain how you found your answers.*

   c. Look at the two shapes below.

How are they **alike**?	How are they **different**?

5.   Jill is six years older than her brother.
Her brother is three times older than their dog.
The dog is two years old.

   a. How old is Jill's brother?   *Show or explain how you found your answer.*

   b. How old is Jill?   *Show or explain how you found your answer.*

   c. Write a number sentence (equation) to show how old Jill will be in five years.